Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/09/2016 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124732	-1	2.67	124648	2.67
Blue	F	SSC	125000	123928	-1	4.72	125057	4.64
Blue	E	FITC	17224	16867	-3	3.44	953	8.76
Blue	D	PE	22462	21845	-3	3.10	985	8.09
Blue	B	PerCP-Cy5-5	63940	62995	-2	3.50	1668	12.73
Blue	A	PE-Cy7	72480	71569	-2	4.40	945	23.67
Red	C	APC	63778	63092	-2	2.54	3560	8.06
Red	A	APC-Cy7	97254	96194	-2	2.64	1906	7.74
Violet	B	V450	10730	10416	-3	3.62	645	8.91
Violet	A	V500	42147	41017	-3	3.09	2321	6.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19263	4.09	581	-39	N/A	N/A	Pass
Blue	F	SSC	61772	3.55	507	-20	N/A	N/A	Pass
Blue	E	FITC	103	36.61	513	-26	0.0298	359	Pass
Blue	D	PE	203	24.24	507	-25	0.1939	165	Pass
Blue	B	PerCP-Cy5-5	202	40.35	595	-19	0.0125	104	Pass
Blue	A	PE-Cy7	71	97.96	648	-25	0.0167	24	Pass
Red	C	APC	334	25.29	577	-7	0.0213	0	Pass
Red	A	APC-Cy7	120	37.07	559	-6	0.0051	787	Pass
Violet	B	V450	66	51.19	448	-26	0.0401	2515	Pass
Violet	A	V500	149	31.38	477	-26	0.0134	2444	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.54	0.79
Blue	20.33	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.28
Red	17.14	13.28 - 19.92	N/A	N/A	32.14	32.35	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11622

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments